Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 - 17. (Canceled).

18. (Currently Amended)   A packet transfer device ~~which transfers~~ for controlling a transfer of a received ~~packet to other node~~ plurality of packets between a client and a destination, said packet transfer device comprising:

    a DNS proxy unit ~~which once receives~~ for receiving a name resolution response message transmitted from a name resolution server to [[a]] said client, said name resolution response message including an IP address corresponding to said destination and one or more packet transfer information fields, and ~~rewrites the contents of~~ for rewriting a routing table of said DNS proxy unit to include said IP address and said one or more packet transfer information fields, ~~in which a packet transfer method as a method of transferring said received packet to said other node is held based on information contained in said name resolution response message~~

    wherein said DNS proxy unit is configured to control said transfer of the packets between said client and said destination according to said one or more packet transfer information fields, and

    wherein said one or more packet transfer information fields include at least one of a packet transfer priority field, a logical network identifier, and a logical channel identifier.

19. (Canceled).

20. (Currently Amended)   The packet transfer device as set forth in claim 18, wherein

    in response to said name resolution response message ~~once received~~, said DNS proxy unit deletes ~~information regarding said packet transfer method among information~~ contained

in said name resolution response message to transmit said one or more packet transfer information fields from said name resolution response message before transmitting said name resolution response message obtained to said client.

21. (Canceled).

22. (Currently Amended)   The packet transfer device as set forth in claim 18, further comprising comprising:

a user information obtaining unit which obtains attribute information regarding a sender of a name resolution request message transmitted from said client to said name resolution server, wherein

said DNS proxy unit once receives, upon receiving said name resolution request message, obtains said attribute information regarding the sender of said name resolution request message through said user information obtaining unit and transmits said name resolution request message with said attribute information added to said name resolution server.

23. (Currently Amended)   The packet transfer device as set forth in claim 21 claim 22, further comprising,

as an internal element, a user information database in which said attribute information is stored, wherein

said user information obtaining unit obtains said attribute information from said user information database.

24. (Currently Amended)   The packet transfer device as set forth in claim 21 claim 22, wherein

said user information obtaining unit obtains said attribute information from an external database server having a user information database in which said attribute information is stored.

25. (Original) The packet transfer device as set forth in claim 24, wherein

said user information obtaining unit uses a name resolution request message in obtaining said attribute information from said external database server.

26. (Currently Amended)   The packet transfer device as set forth in ~~claim 21~~ claim 24, wherein

said external database server is a name resolution server externally disposed.

27. (Currently Amended)   The packet transfer device as set forth in claim 23, further comprising:

a user authentication unit which identifies and authenticates a user ~~at a client connected to its own node~~, and

a user information updating unit which updates the contents of said user information database based on attribute information regarding said user obtained at the time of authentication.

28 - 46. (Canceled).

47. (Currently Amended)   ~~A packet transfer program operable on a packet transfer device which conducts processing of transferring a received packet to other node, comprising~~ A computer-readable storage medium storing computer-readable instructions, said computer-readable instructions configured to cause a computing device to:

a DNS perform a proxy function of once receiving a name resolution response message transmitted from a name resolution server to a client, said name resolution response message including an IP address according to a destination and one or more packet transfer information fields, and rewriting the contents of a routing table to include said IP address and said one or more packet transfer information fields; and in which a packet transfer method as a method of transferring said received packet to said other node is held based on information contained in said name resolution response message

control a transfer of a plurality of packets between said client and said destination according to said one or more packet transfer information fields,

wherein said one or more packet transfer information fields include at least one of a packet transfer priority field, a logical network identifier, and a logical channel identifier.

48. (Canceled).

49. (Currently Amended)   The packet transfer program computer-readable storage medium as set forth in claim 47, wherein said computer-readable instructions are further configured to cause the computing device to:

in response to said name resolution response message once received, said DNS proxy function deletes information regarding said packet transfer method among information contained in said name resolution response message to transmit said name resolution response message obtained to said client delete said one or more packet transfer information fields from said name resolution response message; and

transmit said name resolution response message to said client.

50 - 53. (Canceled).

54. (Currently Amended)   A packet transfer method ~~which conducts processing of transferring a received packet to other node, comprising~~ of transferring a plurality of packets between a client and a destination, said method comprising:

~~the step of once~~ receiving a name resolution response message transmitted from a name resolution server to [[a]] said client [[and]] , said name resolution response message including an IP address corresponding to said destination and one or more packet transfer information fields;

rewriting ~~the contents of~~ a routing table to include said IP address and said one or more packet transfer information fields; and ~~in which the packet transfer method as a method of transferring said received packet to said other node is held based on information contained in said name resolution response message~~

controlling said transfer of said packets between said client and said destination according to said IP address and said one or more packet transfer information fields,

wherein said one or more packet transfer information fields include at least one of a packet transfer priority field, a logical network identifier, and a logical channel identifier.

55. (Canceled).

56. (New)   The packet transfer device as set forth in claim 18, wherein said one or more packet transfer information fields include the packet transfer priority field.

57. (New)   The computer-readable storage medium as set forth in claim 47, wherein said one or more packet transfer information fields include the packet transfer priority field.

58. (New)   The packet transfer method as set forth in claim 54, wherein said one or more packet transfer information fields include the packet transfer priority field.